

ZSC series DC Power

ZSC series DC Power is a modern and highly reliable solid state rectifier, allows independent control of each CEDI module for optimum system performance.

Quality Assured

- Manufactured by ISO9001:2000 approval factory.

Universality

- One power for various types of EDI such as IONPURE, GE E-CELL, CANPURE or OMEXELL etc.

Reliability

- Compact structure
- Easy installation
- High stability
- Soft-starting & Soft-off
- Harmonic rejection
- Strong anti-interference performance
- Small pulsating voltage
- Output over-current protection

PHASE SEQUENCE DETECTION (Applies only to ZSC-2000D)

Due to the situation that phase sequence may be wrong, lacking etc., it can be automatically blocked by the device while directs the wrong phase sequence.

CONTROL

Blockade control, signal given, control regulator, zero adjustment, current feedback, over-current protection and the trigger link etc. Before normal usage, users only need access control signals to the device, to enable blockade.

WORKING PARAMETERS

Model	ZSC-100D	Optional	ZSC-2000D	Optional
Rated Frequency	50-60 Hz	-	50-60 Hz	-
Input Voltage	2AC,380V	2AC,220V	3AC,380V	3AC,415V
Output Voltage	0-340VDC	0-200VDC	0-500VDC	0-500VDC
Output Ampere	0-6A or 0-10A			
Power Consumption	≤10W			
Dimension(mm)	W162*D190*H82		W180*D210*H70	
Net Weight(KG)	1.27		1.47	
Operating ambient temperature	0~45℃			
Storage ambient temperature	-25~+70℃			
Humidity	Relative air humidity≤85%, not allowed condensation			
Climate scale	3K3 of DIN IEC60 721-3-3			
Insulation grade	DIN VDE 0110-1(HD 625.1 S: 1996), pollution Level 2			
Ingress protection	EN 60 529 IP00			
Protection level	DIN VDE 0106 level, class 1			
Contact grade	DIN VDE 0106, part 100(VBG4) and DIN VDE 113,part 5			
Altitude	less than 1000 meters (each additional 100 meters above sea level, 1 percent drop in ratings)			
Cooling	Natural ventilation			

ZSC-100D Installation Guide

NOTE: The DC power must be installed by professional electrician or engineer!

(1) Use the card slot ,fix the DC power into the electric panel;
Mounting dimension: 152mm*180mm* ϕ 5
Install dimension: W162mm*D190mm*H82mm

(2) Input voltage: 2AC, 380V 50-60HZ
Or 2AC, AC220V 50-60HZ

(3) Output to EDI ,DC 0-340V/0-6A
Or DC200V/0-6A (0-10A)
DC+ to Anode
DC- to Cathode

(4) Output to controller
0-10A/0-75mV
I+ to controller +
I- to controller -

(5) Control signal adjustment
Ug input signal DC 0- -10V
M Reference ground
N10 DC-10V Power

(6) Enabled, ON/OFF input
From the non-electric control switch
Close=Run
Open=Standby

(7) Over current, ON/OFF output
Close=Over current
Open=Normal

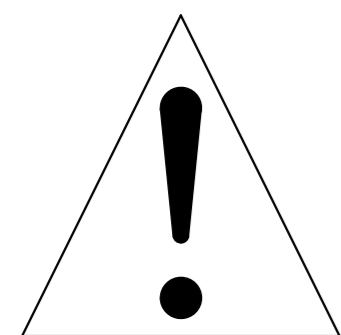
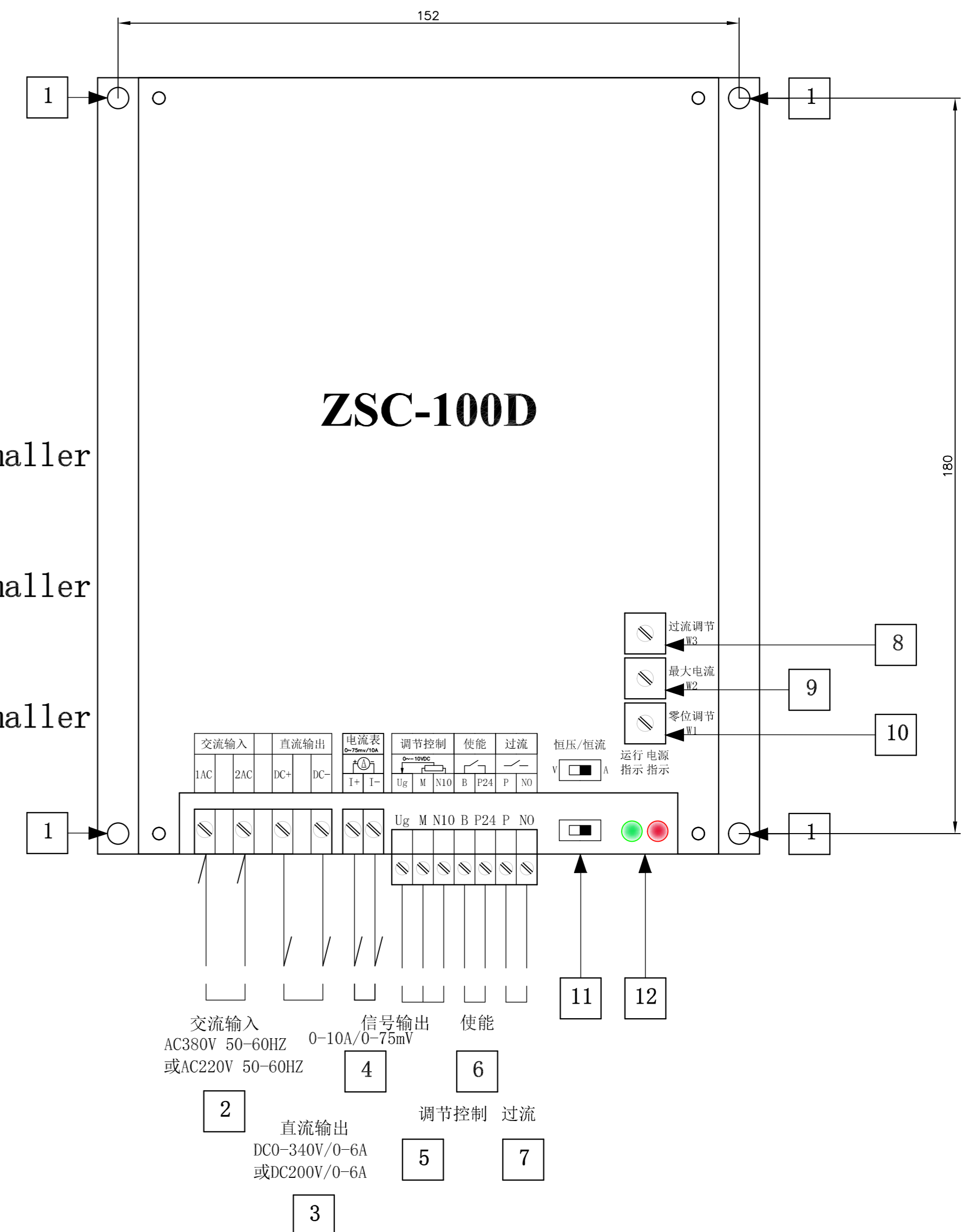
(8) Over-current adjustment
clockwise=larger, counter-clockwise=smaller

(9) Max current
clockwise=larger, counter-clockwise=smaller

(10) Zero Adjustment
clockwise=larger, counter-clockwise=smaller

(11) Adjustment: Work mode switch
A=Constant current mode
V=Constant voltage mode

(12) Indicator
D206 Running instruction, Green light
D602 Power instruction, Red light



WARNNING:

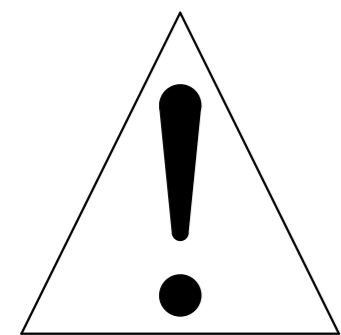
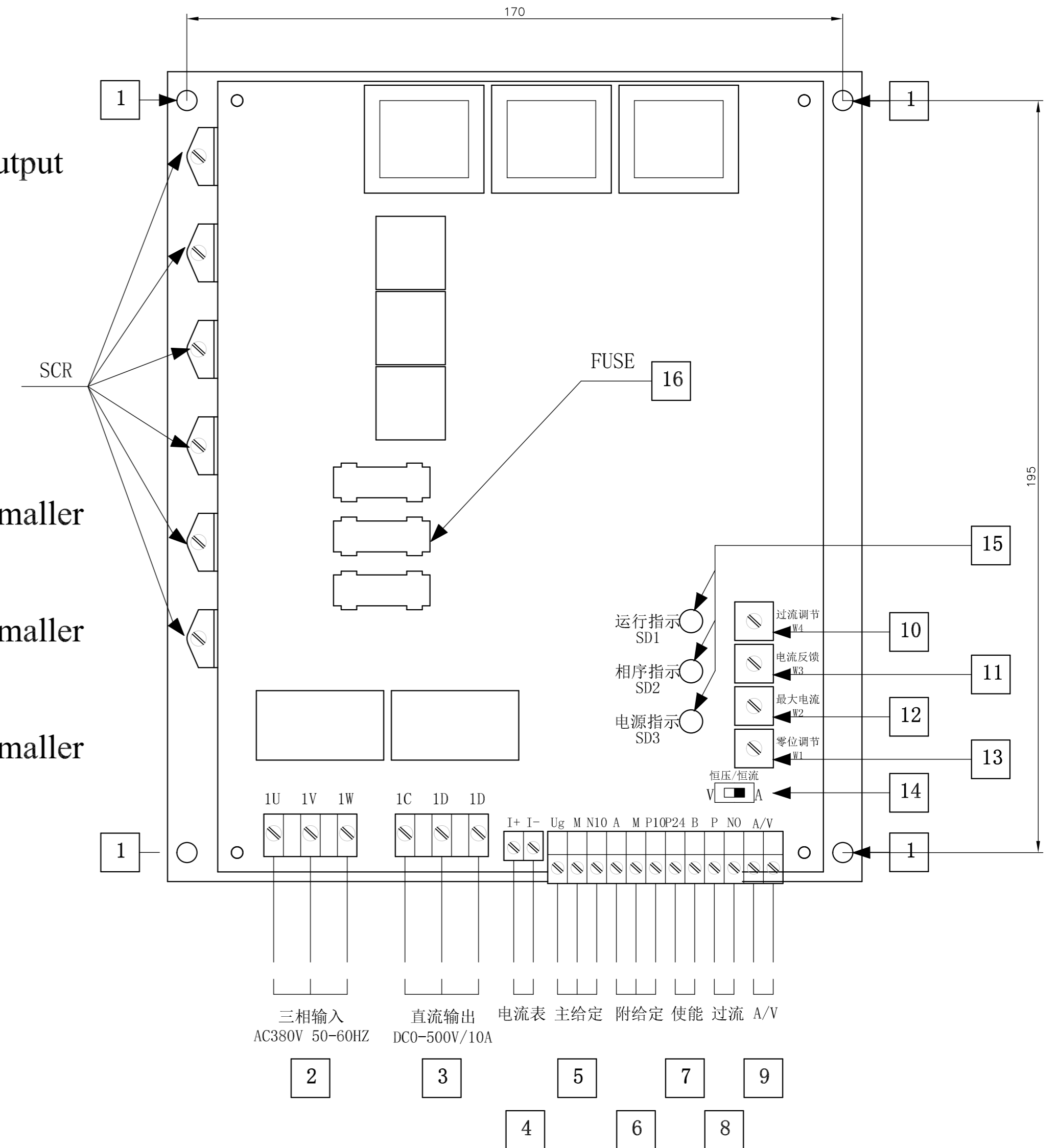
DC Power could be damaged by fail or wrong wiring!

ZSC-2000D Installation Guide

NOTE: The DC power must be installed by professional electrician or engineer!

- (1) Use the card slot ,fix the DC power into the electric panel;
Mounting dimension: 170mm*195mm* ϕ 5
Install dimension: W180mm*D210mm*H70mm
- (2) Input Voltage, AC380V 50-60HZ
- (3) Output to EDI, DC 0-500V/0-10A
1C to Anode
1D to Cathode
- (4) Output signal: 0-75mV/10A
I+ to contorller +
I- to controller -
- (5) Mail control signal given
Ug input signal DC 0 \sim -10V
M Reference ground
N10 DC-10V Power
- (6) Vice control signal given(optional)
A Input signal DC 0 \sim +10V
M Reference ground
P10 DC+10V Power
- (7) Enabled, ON/OFF input
From the non-electric control switch
Close=Run
Open=Standby

- (8) Over current, ON/OFF output
Close=over current
Open=Normal
- (9) A/V work mode feedback,ON/OFF output
Close = Constant current mode
Open = Constant voltage mode
- (10) Over current adjustment
clockwise = larger,
counter-clockwise= smaller
- (11) Ampere feedback
clockwise = larger, counter-clockwise= smaller
- (12) Max current
clockwise = larger, counter-clockwise= smaller
- (13) Zero adjustment
clockwise = larger, counter-clockwise= smaller
- (14) Adjustment: Work mode switch
A= Constant current mode
V= Constant voltage mode
- (15) Indicator
DS1 Running instruction
DS2 Phase sequence instruction,
lack of phase or wrong phase
DS3 Power instruction
- (16) Fuse, 500mA
Fuse fails would cause the light of DS2 as well



WARNNING:

DC Power could be damaged by fail or wrong wiring!